

Serial No. 09/849,594

Docket No.: KCC-15,481

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A non-releasable, leak-proof seal, comprising:
at least two layers of liquid-impermeable material at least partially positioned in overlapping relationship;
a plurality of ultrasonic bond points bonding together the at least two layers of liquid-impermeable material along an edge of at least one of the layers;
wherein the bond points are aligned in at least three parallel rows with adjacent bond points in each row at a distance between about 0.001 inch and about 0.20 inch from one another, at least one of the bond points in each of the rows is equally spaced apart from at least three other bond points, and the bond points in adjacent rows are offset from one another, and the at least three parallel rows have a pattern width of at least 0.21 inch such that the strength of the seal is optimized.
2. (Canceled)
3. (Original) The leak-proof seal of Claim 1 wherein adjacent bond points are at a distance of between about 0.0025 inch and about 0.175 inch from one another.
4. (Original) The leak-proof seal of Claim 1 wherein adjacent bond points are at a distance of between about 0.005 inch and about 0.15 inch from one another.
5. (Original) The leak-proof seal of Claim 1 wherein each bond point has a diameter of between about 0.005 inch and about 0.25 inch.
6. (Original) The leak-proof seal of Claim 1 wherein each bond point has a diameter of between about 0.010 inch and about 0.175 inch.

Serial No. 09/849,594

Docket No.: KCC-15,481

7. (Original) The leak-proof seal of Claim 1 wherein each bond point has a diameter of between about 0.015 inch and about 0.15 inch.
8. (Original) The leak-proof seal of Claim 1 wherein the bond points in adjacent rows are offset from one another by about 0 degrees to about 89 degrees.
9. (Original) The leak-proof seal of Claim 1 wherein the bond points in adjacent rows are offset from one another by about 15 degrees to about 75 degrees.
10. (Original) The leak-proof seal of Claim 1 wherein the bond points in adjacent rows are offset from one another by about 30 degrees to about 60 degrees.
11. (Canceled)
12. (Original) The leak-proof seal of Claim 1 further comprising at least four parallel rows of bond points.
13. (Original) The leak-proof seal of Claim 1 wherein at least one of the layers of liquid-impermeable material is breathable.

Serial No. 09/849,594

Docket No.: KCC-15,481

14. (Currently Amended) A combination of [[a]] at least one containment flap including a first liquid-impermeable, ~~nonwoven-laminate~~ material bonded to a garment including a second liquid-impermeable material, comprising:

a plurality of ultrasonic bond points joining the first liquid-impermeable, ~~nonwoven-laminate~~ material to the second liquid-impermeable material and forming a non-releasable, leak-proof seal between the at least one containment flap and the garment;

wherein the bond points are aligned in a pattern including at least three parallel rows ~~having a pattern width of at least 0.21 inch~~, at least one of the bond points in each of the rows equally spaced apart from at least three other bond points with the bond points in adjacent rows offset from one another, such that each bond point is within about 0.001 inch to about 0.20 inch of at least one other bond point.

15. (Original) The combination of Claim 14 wherein each bond point is within about 0.0025 inch to about 0.175 inch of at least one other bond point.

16. (Original) The combination of Claim 14 wherein each bond point is within about 0.005 inch and about 0.15 inch of at least one other bond point.

17. (Canceled)

18. (Currently Amended) The combination of Claim 14 wherein the first liquid-impermeable, ~~nonwoven-laminate~~ material comprises a liquid-impermeable film.

19. (Currently Amended) The combination of Claim 14, wherein the first liquid-impermeable, ~~nonwoven-laminate~~ material is breathable.

20. (Original) The combination of Claim 14 wherein the second liquid-impermeable material comprises a nonwoven material laminated to a liquid-impermeable film.

Serial No. 09/849,594

Docket No.: KCC-15,481

21. (Original) The combination of Claim 14, wherein the second liquid-impermeable material is breathable.
22. (Original) An absorbent garment comprising the combination of Claim 14.
23. (Original) A diaper comprising the combination of Claim 14.
24. (Original) A training pant comprising the combination of Claim 14.
25. (Original) A feminine hygiene article comprising the combination of Claim 14.
26. (Original) An absorbent underpant comprising the combination of Claim 14.
27. (Currently Amended) A bonding process for bonding together two layers of liquid-impermeable material, comprising the steps of:
ultrasonically ~~bonding~~ forming a non-releasable, leak-proof bond between the two layers together along an edge of at least one of the layers with discrete bond points aligned in at least three parallel rows ~~having a pattern width of at least 0.21 inch~~, with adjacent bond points in each row at a distance between about 0.001 inch and about 0.20 inch from one another, at least one of the bond points in each of the rows equally spaced apart from at least three other bond points, with the bond points in adjacent rows offset from one another; and
displacing portions of each layer of material, wherein each of the displaced portions is in contact with at least one other displaced portion.
28. (Original) The bonding process of Claim 27 wherein at least one of the layers of liquid-impermeable material comprises a nonwoven web.
29. (Original) The bonding process of Claim 27 wherein at least one of the layers of liquid-impermeable material is breathable.

Serial No. 09/849,594

Docket No.: KCC-15,481

30. (Canceled)

31. (Original) The bonding process of Claim 27 wherein the bond points are aligned in a pattern such that each bond point is within about 0.0025 inch to about 0.175 inch of at least one other bond point.

32. (Original) The bonding process of Claim 27 wherein the bond points are aligned in a pattern such that each bond point is within about 0.005 inch and about 0.15 inch of at least one other bond point.

33. (Canceled)